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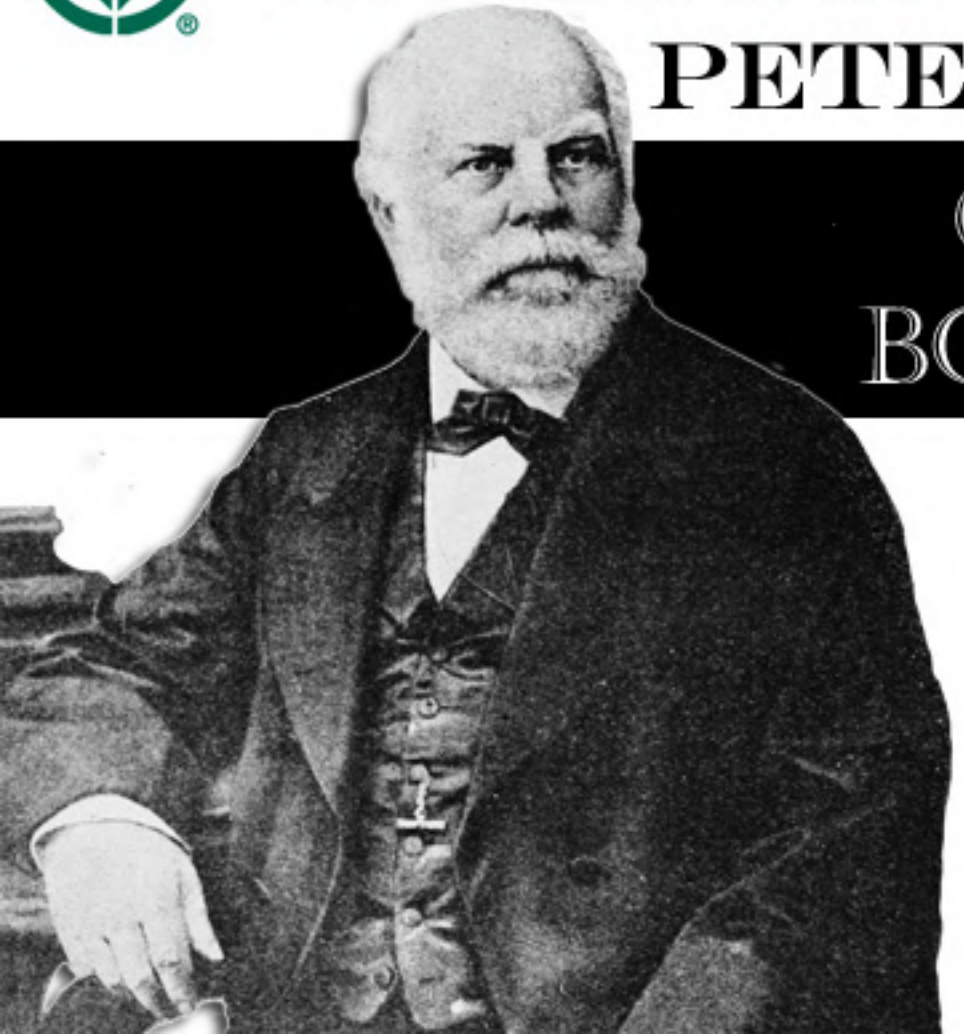

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

~~to this these~~ Very near E. hexagona
distinguished from it by the less rough
and more acute leaves, not as narrow on
the branches; and especially by the globose
glands, the ferta stigmata — & the small
strongly tuberculat seeds. —

E. sphaerotheca Benth. & Hook.: stigmata
& glands same as in Euph. hexagona;
larger than the whole tomentose ovary —;
involucres hispidulous. Cobes entire or
somewhat globose. — globose
pericil root — fasciculate leaves petiolate
& tuberculate growth stigmata & glands
ovaries hirsute canescent

Notes from Benth. Bot Sulph. 1844. p. 49. ff

Euph. Californica. frutex 2–3 pedalis ramosus, foliis parvis ovatis
glandis 5. appendiculatis,

E. polycarpa ⊙ ovatis: villosa ramosa, ramis divaricatis;
stipul! foliis ovatis integris 1–4 lin. l. caps. lacv. sem. lacv. albid.
glandis appendiculatis.

- my tomentella no! E. Lucophylla ⊙ stipulata albo-lanata
pol ovato-oblata, angulis dentata. sem. lacv.
½ foot high — glandis petaloid

E. Magdalenae ♄ stipul. glabrescens. sem. lacv.
petaloid. —

E. misera ♄ exstipul. involucris petaloid 5
pol 2–4 lin lg. ovato-orbicul. puberula. Sandiego

E. Hindsiana ♄ exstip glab.; leaves obov.
cuneate, long petiolated, — 5 petaloid glands.

E. crenulata pol spars. obovato-oblongis, crenulatis
superne basi dilatatis — involucris 2 caps. fructus
glands 7–11 lobed — styles undivided

E. Nova Hamb. is ~~not~~ to be common for
the Southern U.S. to Brazil — & probably = depressa
Hook & pubescent prostrate: cordate & serrate
leaved Euphorbia

E. anceps Benth. ♄ decumb stipul. subcapitate
pol. ovato-semiorbicul — = diffusa mihi — Greggs Variety

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70

Euph. restiaeana Boiss. tubus rost., capitul flores
ramis junceis fol. caulin. pauci reflexi vel nulli
floralibus = apice nudi paucis lanceolati (oloratis,
in vol. terminal. (sometimes like "umbella"?
nucar. cyathophor., but in invol. lobis extus
[glandulis] ramisque in bas oloratis remulatis.

Euph. colletioides pubescens; ramis ventrill
articulati pagilis fol. elliptic. Arequipa

E. Sintenisiana Arequipa Gongora
glabra, umbella 2–3 fida = 4 glands orbic. Cub

E. Stolonum Schlecht. Mexico pentiosa fol. terms
ventrill. obov. longe petiolat. — umbell 3 rad.

E leptalea Schauer. ⊙ erect. fol. ovat. pilos
umbell 3-f. d inv. involucr. gland 5. orbic.
caps lacv. sem. scrobiculat. —

E. Gillespiana Schau ⊙ stipulat adpressed.
pilos. fol oblig. acut; flor solitar clav.
caps. villos. = villosa? — but fol acut

E. astroites Fisch & Mey. glandulos. pilos, fol orbic.
(lobis involucr 3 partit 3 setos) capsul. orbicul
sem. scrobiculat. 2–3' erect, ramosiss
fol. oppos

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(= polygonifolia Mich ?

Euph. Curtisii. (= prostrata

(sparsis ex foliis) caulibus ascendentibus, foliis obovatis v. oblongis, obtusis v. acutis, supremis glaberrimis v. tripli- stipulis ambellis trifidis v. quinquefidis, laciniis ovatis v. lanceolatis, obtusis v. acutis; capsula glabra v. papillosa, pedicellata

Hab. in Carolina superiori et Georgia, Curtis! Chapman!

Rem. glabra, caulibus 2-pedalibus, foliis ambellis 5-fidis, laciniis lanceolatis, capsula glabra

β. hirsuta, caulibus foliisque ambellis trifidis pilis longis albis appressis vestitis; capsula papillosa

γ. glabra, caulibus 1-pedalibus, foliis ambellis 5-fidis, laciniis ovatis v. lanceolatis, capsula papillosa

δ. pilosa, caulibus foliisque ambellis trifidis pilis longis albis appressis vestitis; capsula papillosa

Hab. in Carolina superiori et Georgia, Curtis! Chapman!

N. Carol to Florida, Curtis Chapman.

Rem — 2 feet high — leaves 1—1½ inch long, 1—3 lin wide — ambel 1 in diameter upper ones not as large as under the gland itself: — rays with appressed pile capsule of pericarp appressed — Can it

(Discoidalis Chapm. herb.)

5999

be a form of the Ill otts & Spanish Isles?
Seed 1.0 by 0.8 broad. —
Plants of A usually about twelve
or eighteen feet; usually a pair male
flowers & four pistillate flowers, but a fifth bearing anthers is always
either of the two. In B. the flowers & fifth fifth bearing
anthers are always also staminate
& the stamineous there is usually
a rudimentary female flower; — flowers
in this also sometimes are almost
entirely sterile & the petals, as in
the case in C. Corollate. —

P. Lecontei with roll- Florida a
form with broadly oval bracts — a
peduncles one inch — six length. —
which seems to belong here — but is too
small a little developed to be clear

Euphorbia atro-rubens Ell (atro-rubens
Engel — Hurb) see pag 34

dichotoma perennis erecta glabriuscula culmis
foliis oppositis obovatis oblongis subtus glaucis basi
basi petiolum brevissimum angustatis
s. subsessilibus
pedunculis foliis longioribus, alarum
ramulorum involucris campanulatis —
glandulis (plerumque atro rubentibus) nudis
lobis ovatis ciliolatis alternantibus.
Styles connatis, apice bilobis, stigmatibus
dilatatis foliaceis recurvis
capsula breviter stipitata, erecta
semi ovatis ovatis, punctulatis
albidis,

Geog. L. LeConte.

North Carolina Curtis V. t. Florida Chapman —

Dry soil

Without doubt allied and

~~but not as the~~

~~typical~~. Muhlenbergia polyganifolia ~~which belong to~~

~~Curtis~~ — identical to a tall and

erect Rupr. Sperambae, but distinguished

by its erect growth, purple glaucous ~~green~~ style

and short stipule ~~and~~ capsule. —

Stems about 1 foot high. Leaves 1–1½

inches long from 1 line in diameter —

usually not more than 2 lines wide. —

Rupr. Sperambae p. 34 addt.

Stems from 1 — 6 inches high, from

a very long whitish root — Leaves of all

stages from ½ = 2 or 2½ inches long

— Involucre 1–1½ li = diameter, glaucous green

very large — properties; much larger than the

small lobes. — May vary from erect and

pendulous on a long pedicel, style extremely

small. short. — Seeds: 1.2 – 1.3 lin.

long 0.8–0.9 = diameter.

Rupr. Floridana Chapm in Herb Torr.

(C. inundata Torr — Herb

Perennis (erecta humilis) glaberrima

~~foliis radicis expansis ramosis apposite~~

~~ramosis~~ caule dichotomo, ramis dichotomis

ramis dichotomis demum paniculatis

e basi adhuc resideli obtus

obtusis v. acutis, ...

...

...

Styles var. slender. Leaf 1–3 — 1.5
lines by and 1.2 — 1.7 in Diameter terms
perfectly smooth — no ramenta observable.
— May plate are imperfectly
staminate by an imperfect development
of ovary.

Whole plant usually reddish.

Euph. Chapmanii (E. heterophylla Chp — in part non Lin)

perennis (erecta glaberrima) caule trichotomo
foliis lanceolatis planis integris dichotomis
lanceolatis; caulinis conduplicatis
Involucris clavatis pedunculo duplo
longioribus; glandulis (viridibus) 5
stipitatis, volutis ovatis
lobis reflexis superantibus;
capsula extecta glabri; semine
ovato apiculato trigono tenuiter
transversim rugoso,

Capsule hardly exserted
Dry sandhills, Aspalaga Flo
& Chap — in Herb Torr. — Gadsden Co.
Low leaves 1/2–1 inch by 1–3 lines wide,
upper ones 6–12 l. by 5–6 l. broad.
Involucres 2 li — diam — glands
much longer than lobes of involucre — Nearly
as Leaf seen. — Near E. floridana

but distinguished by the higher growth the
cordate upper leaves, the larger involucre
with stipitate receptacle glands & the
more ternate exsert styles. —

Sp. Nov. — 4 or 6 inches high;
stem, clear, ½ — 4 inches long
lower, to orbicular ternate — pubescent
above, velvety

Euph. Indiana Scheele. Sp. 38 —
Short — Caulescent stems — sprig —
the Saw — long subcordate ovate &
leafy — shoots, with acuminate
rough margins (roadside, hunt
Calif. &)
Cleaves
Berlandier 116 & 1375 — bear shoots
of 2 feet or more — length — base gait
leafy above, naked below with short floriferous
branches —

Llanos. between San Bernardino
Capt. E. K. Smith,
& Ste Cruz Sonora
with involucre leaves ½ — ¾ inch long.

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E. dentata Mx

S. rigida (Wright № 1837 San Pedro &
humilior rigid.; foliis panicis ovatis ovatis ovatis
magis revolutis. Monterey & Edwds

S. ~~linga~~ cuphosperma (Wright № 1834
erecta, strict; foliis (glabrior) dentatis
s. pectinibus; ~~serrulatis~~ foliis lanceo-
latis s. oblanceolatis elongatis
parce dentatis s. subintegris, capsulis
glabris s. pilosis; secundum majoris
tubercolatis angulatis.

Copper mines to San Pedro, Sonora
& ~~glabra~~ integrifolia; foliis lanceolatis
integrisculis glabris. (S. Oreas Lemmon)
Rev Mr Holton, Lasalle Illinois
(involucralibus ~~basi~~ subviolentis (perhaps a form of cyathophora?)

Wright 1836 San Pedro etc, is the
usual form
Longs Sypedit. & James same
Berlandier 2464 & 1034 (Sullivs Gray
(the Cutler with hairy capsules. Wright 654
~~The~~ Coulter 1039 caps. hairy)

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Euphorbia bifurcata

annua ? (~~erecta~~ glabra) caule erecto dichotom
foliis oppositis obovatis s. obovatis in petiolum
gracilem subaequilongum angustatis argute serratis obtusis
basi glanduloso-stipulatis. —
Anthodiis alaribus & dein glomeratis ? ad apices ramor
~~Involucr~~ bracteis pedunculatis
lobis 5 ovatis truncatis usque ad basin fimbriato-
multifidis, glandulis ~~nigris~~ cyathiformibus
late albo-appendiculatis, appendice
flavescente, emarginato
Stylis ovato-superatibus bipartitis ad medium bifidis, lobis stigmatiformibus.
Valley of the Empire, D Bigelow
Herb.
Hab. in Italy —
Spurge — without base, over a foot high,
leaves about 1 inch long half as wide
petioled a little shorter; anthodia small
forms a section of Cyathophora
with petioled glands (Corpulum) leaves
and appendiculate glands!

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Euphorbia ~~platy~~ ~~[illegible]~~ = crithantha Benth.
Sulph. p. 551

perennis ? erecta glabriuscula
foliis linearibus (erectis / integris)
in petiolum brevem attenuatis) ~~basi~~ saepe glandulosis stipulatis;
glandulis 4 huntibus ; in caulis apice
glomeratis, albo tomentosis
involucris ~~laxis~~ tubi 5 villosis laciniatis
glandulis 1–3 planis dorso tomentosis,
appendiculis villosis in laciniatis a lobis
(interruptis) vix distinctis.
Staplia publicata ~~a~~ bracteis indivisis,
filiformibus, arcuatis,
capsula ovata, camea, semiinclusa
compressa ~~[illegible]~~ (tuberculata, margine
marginata emarginata) ~~[illegible]~~ tuberculata
~~[illegible]~~ minute with white plate,
publ. by Sm. ~~West Mexico or Eastern~~
or California
Linn. — in Herb. Linn.

Specimens are apparently Branches 10 inches
long, leaves 1½ — 2 inches long
thick more than 1 line wide, flat
nearly smooth but all the parts of the inflorescence
white tomentose, glands 4 appendages
very similar to the Cobea, but distinguished
by their external position. —
Seeds very peculiar; more flat than in any
other of our species, rectangular, with the edges
crenate the Cavities deeply emarginate,

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82

1.5 li long 1.0 broad

Bentham ~~det~~ ~~stylosa~~ ~~stalk~~ th number of glands — his leaves are
per and mostly serrate or obtuse emarginate & entire ; upper leaves
~~involucre~~ cuplike, discolored at base

L. cylathiphora see pag 36

carunculæ very small, curved

~~B.~~ latifolia ; foliis omnibus ovatis integris subtus, dentatis
pilosis punctis ; foliis ramealibus augustioribus linearibus &c

γ. graminifolia (With 1 pores pungi
foliis omnibus lanceolatis petiolatis linearibus lanceolatis
& crenatis integris

Wright 1835 (South of El Paso
Florida, Devils River. Texas

β Upper Missouri, Key West Florida
Wright 653 Iowa Texas Nich. 697

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Euphorbia misera Benth. Sulph. p. 57

pubescens,
foliis sparsis parvis petiolatis ovato v. obovat
subtus pubescentibus integris
stipulis antherid. in parvulo albescentis
brevite petiolatis subsingulis
involucris campanulatis pubescentibus
glandulis 5 appendiculatis appl. latis
Bracteis latis ovatis
ovariis glabris in pedicellos pubescentes
stylis basi coalitis dein cohaerentibus, ad
medium bifidis ovulis conjunctis semin
pubescentibus rugosis

San Diego near the sea-shore Dr Parry Hb. Torr 3 feet
high — very milky leaves
4 — 6 l. — Santa Barbara, involucres large, 2 l.
in diam

Nuttall in herb Acad. Philad. & Gerard in Herb Hook
from Santa Barbara Cal. folia obovulata
obtusa apice, basi subito in petiolum attenuata
squamis obtusis fusco ciliatis
pubescentia que.

GARDEN PAPERS

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84 Euphorbia ~~equisetoides~~ ..... anti syphilitic Ethn. Jour. Acta Acad Mexic I p. 292

caules plures erecti simplices glabri virides
pulescentes (2) e rubro lignosa
foliis squamiformibus subulatis minutis
villosulis
anthodiis (ci ramulis brevissimis squamatis
terminalibus singulis)
involucr. villosulo cupulato, glandulis
5 appendiculis ovatis v. cuneatis
integris v. ~~lobulatis~~ dentatis, ovatinervulis;
stylis ima basi connatis altro
medio bifidis dorso sulcatis ramis
filiformibus recurvis
capsulam glabra
Semina tuberculata ovata rufescentia
pinguedinosa

Prov. Rio del Norte & Angelos, Mountains about Salt Lake, Gregg
"Camp Ch. Co"
Stem single 1 to 1½ foot high — the
upper ~~with~~ of the branches as the generic, & green
with marks of the old leaves stem woody at top
Leaves on the upper part of stem about 1 lin
in length, — involucres large, over 2 lin — short
with the appendages, — seeds about 3 lines long,
distinctly tuberculate.

Near E. ostiarea Boiss. U. Engl. from Tepic
but this is quite glabrous, ~~the~~ robust shoots, ~~are~~ with
distinct floral leaves 6–9 lin long, 1–2 lin broad, and
with reniform appendages.

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E. fol. longepetiolatis oppositis
s. ternis vel intog. ovat. glab.

S. appr. uniformem
rem. tuberculatum pilos.

Fide Ven. 1190

E. fol Hyparr's ovatis longe
petiolat. integr. glabris
lanceolatis appr. alt
3 lin. ad bas. 2 fil.
filiformib
ovatis filiformib
Coulter 1464
sem. nigris 0.8 lin. long
rostr. tuberculatis

E. fol opposit. ovatis longe
petiolat, integr. glabris

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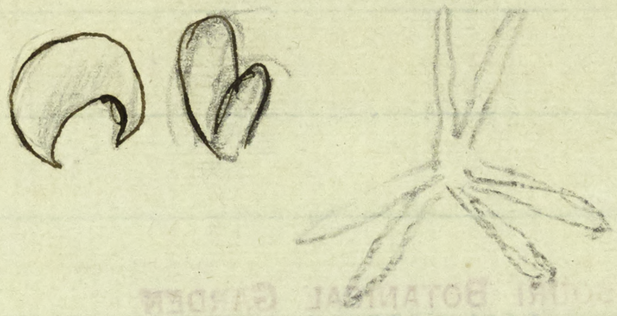
anthod glands cyathiform. 2 appendiculate

Stalk with filif. abaxial hairs
ovary 0.7 mm. long
globulate.

Funk Ven. 11896.



C. fol. oval subsag. longe
petiol hirsut pubesc.
expans.
Anthod seminud. glands
biseriate obtrud ovate
2 appendic — inferior
thyl extig
thyl filosis bracts indivisis, ovate
integr glandulosolobatis
ovary 1.3 mm long
vernis applanatis obsitis

Funkia V. 1191

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near Denham
C. setigera
Mr Dietrich.

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colorata

Euphorbia ~~polyphylla~~

erecta glaberrima foliis sparsis petiolis elongato linearibus revolutis integris brevi petiolatis

foliis floralibus basi parum dilatatis parum reis subinde cirrhinatis

involucri globosi laciniis ovatis obtusis superne glandulis 1–2 stipitatis cyathiformibus compressis margine revolutis saepe crenulatis

bracts

stylis purpureis erectis longe connatis, apice bifidis, ramis acutis demum recurvis

Dry arroyos Agua Zarco, Sonora May — Capt E. K Smith. — 46 Forr. & South Cruz, Thurber, (Torrey) specimen — one that th base — nearly a foot high — leaves 2–4 inches long by ~~hardly~~ scarcely one line wide — stem leaves short and about 2 l. wide —, very deep bright green bracts. Near Euphorbia ... distinguished by the very narrow revolute leaves, and the other characters given .. May, & Styles of involucre

pamphlet

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Euphorbia barbellata

erecta glabriuscula

foliis sparsis lanceolato
sæpe ovato lobatisque
lineari-bus × breviter petiolatis, dentibus
paucis argutis sub apicem
patentibus. Capsulis ad
apicem ramulorum paucis pilosis, basi pilis
longioribus barbatis.

Euphorbia glandulosa, foliis floralibus
ovatis v. ovato-lanceolatis longe petiolatis
Hook. & Arn. Bot. Beech. Voy. 153 (non Desf.)

Euphorbia glandulosa, var. β angustifolia
Boiss. Euphorbiæ 62.

Glabra, virgata, ramis lobis involucri
brevibus, stylis brevibus, crassis, basi vix
connatis, a medio bifidis; capsulis obtuse
carinatis, valvis obtuse dorso carinatis.

On the Plains near Laytle Pass,
August 1848 in Fruit. Grey

Near E. ipecacuanhæ but distinguished
by the narrow entire sharply serrate leaves
the larger involucre short styles etc.

Specimen incomplete, about 2 feet high
leaves 3–4 inches long 1/2 inch wide
upper leaves ovate or oblong almost
1–2 inches long half an
inch wide; in others more nearly like
the stem leaves

Nigeria all same, with broad leaves. on the Rio Pio
Octob 1850 (Herb Forr)

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Euph. asperifolia — Stigosa Hook & Arn Bot Beechy p 310

perennis caulibus plurimis
ascendentibus glabris inferne
foliis ovatis v. lanceolatis breviter
petiolatis utrinque et præcipue ad
margines integros pilosis asperis
foliis floralibus oppositis glabris integris v. serratis
lobulis v. dentibus (seu nullis) cymis terminalibus
bracteis ovatis glabris dentatis v. integris
pedunculis filiformibus
semiuncialibus calycibus ovatis albidis
laeviusculis 1.5 — 1.8 li longis
1.2 — 1.4 li latis.

Between Guadalajara & Tepic — West Mexico
not rare Dr Gregg May 1849. — Herb Lyon Hooker

abt 1/2 — 1 foot long — leaves 1 — 1 1/2 inches long 1/4 — 1/2 inch wide very rough flowers
bracts — Lobes — Styles —
seeds 1.5 — 1.8 li long — 1.0 — 1.4 C.
thick

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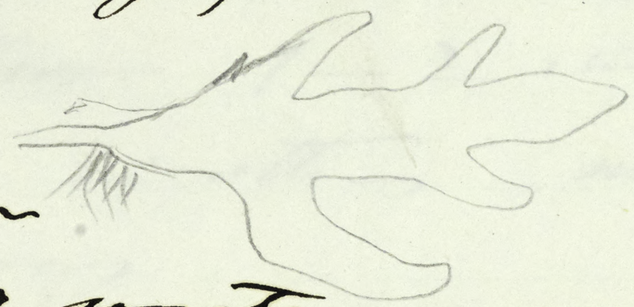
Euph. corollata ad Ark flu Octob 21. 1850
Coll by D. D. Ingalls

Leaves rough, below strigly barbate at base
stem leaves sinuate lobed
branch leaves linear
Cauline hooked sinuate, ovate



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Very nearly related, perhaps forms of the same species are:

15. Chapmanni forma glabrata. 21. humistrata forma pubescens.

27. hyssopifolia forma pilosiuscula seminibus majoribus nigris 19. ~~hyssopifolia~~ deuiflora

forma glabra, seminibus minoribus nebellis

23. E. maculata forma pubescens, prostrata microsperma, foliis angustioribus

17. unilateralis forma glabra prostrata macrosperma fol. angustioribus

18. angustifolia forma glabra erectiuscula macrosperma, fol angustis

~~Hr. notata. forma glabra prostrata, foliis~~ latioribus

~~24 intermedia, forma puberula, prostrata, macrosperma, fol. latioribus.~~

26. E. ovalifolia forma stipulis postiris ornatis, seminibus acute rugosis

24. intermedia forma stipulis distinctis, seminibus obtuse rugoso-foveolatis.

The following nearly related species would appear to be better distinguished and certainly good species.

9. E. revoluta and 18. angusta. (which (last) perhaps belongs to maculata)

5. E. hemisphaerica and 6. E. stipulata

12. E. chamaedrys and 13. E. crenata (which last might be a large sized form

16 E. notata and ~~17 E. unilateralis~~ which probably belongs to maculata)

23. ~~maculata~~ prostrata, pubenula, stipulis subulatis, ciliatis, foliis a basi valde obliqui obtusa oblongo-linearibus, subfalcatis, ramis apicem versus sensim attenuatis; appendiculatis styles almost as long as ovary, blobed above the middle. ~~+~~ s. + 0.4–0.45

16 notata. stip subul. setaceo-fimbr. ~~Plerumque~~ sem punctat — styl = ovario + 0.6

var 1. stip. multifidis styl. brevissimis sem punctat + 0.6

var 2. erecto-patula, stip. subulatis — sem. rugosis + 0.55

17. unilateralis prostrata — stip. setaceo fissis — fol plerumque sem rugos. angulis crenatis styl. brev + 0.5

var 1. " " " " " " " " + 0.4

18. angusta. erecto-patula stip. subulat integr. s. fimbriat. fol. sensim s.e. rugos. s. punctato rugos. — styl + 0.6–0.7

maculata. L. ramis, s. stipulis distinctis, fol. (ovatis obovatis), oblongo-linearibus linearibusve, crenatis s. serratis, + pedunculis patulis ~~et~~ aequantibus in dichotomia ramulos racemiformi-subcymulis, demum in glomerulos laterales plus minus compactos congestis, appendiculis involucri brevibus, integris, splanquae ovatis, erectisve, minus vix ullis; capsula acute angulata, minute ovata s. oblonga, s. obovato-oblonga; acute angulata, transverse foveolatis s punctatis.

0 1 2 3 4 5 6 7 8 9 10 cm
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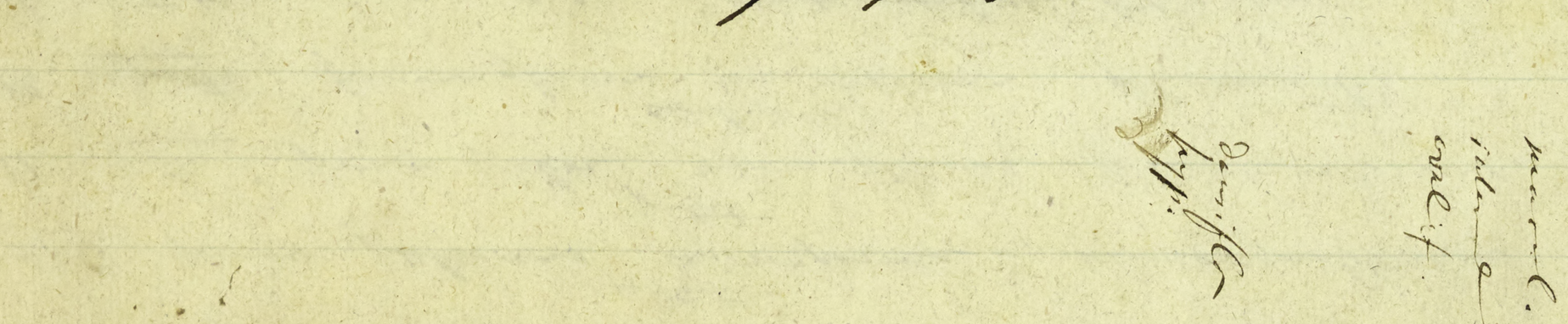
MISSOURI BOTANICAL GARDEN

Observations on Ristreine

In all cases of pregnancy I have observed it unvariably. In Summer it formed on the 2d to 5th day, in winter in moderately warm rooms, not exposed to freezing, hardly ever before the 6th or 7th day. — A few hours or days before the pellicle forms a milkwhite ring is observed on the glass above the urin which is nothing but the first appearance of the pellicle.

Observations: Mrs Engelmann in the second, third fourth month of pregnancy.
Mrs Angelrodt. 3d month
Mrs Rust 5th month
Mrs Brown 3d month
Mrs - - - - 4th month — was under treatment with corrosive sublimat

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

The Case of Mrs Decker is very remarkable. She suffered much from Gastrodynia or Cardialgia and was very unwell till about New year 1842 the very irregular menstruation again took place. Soon or soon after that time her health improved visible, but the menstruation did not return, and she considered herself pregnant.

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